

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I verily believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **PEPTIDE NUCLEIC ACID CONJUGATES** the specification of which:

(XX) was filed on October 6, 1995 as International (PCT) Application Serial No. PCT/US95/12931.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

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I hereby claim foreign priority benefits under 35 U.S.C. § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

Country	Number	Date Filed	Priority Claimed
Denmark	986/91	May 24, 1991	No
Denmark	987/91	May 24, 1991	No
Denmark	510/92	April 15, 1992	No

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge

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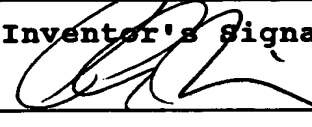
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08/088,658	July 2, 1993	pending
08/275,951	July 15, 1994	pending

4 I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: John W. Caldwell and Michael P. Straher, Registration Nos. 28,937 and 38,325 of the firm of WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS, One Liberty Place - 46th Floor, Philadelphia, Pennsylvania 19103, and Herb Boswell and Laurel Bernstein, Registration Nos. 27,311 and 37,280, of ISIS Pharmaceuticals, Inc., 2280 Faraday Avenue, Carlsbad, California 92008.

Address all telephone calls and correspondence to:

Michael P. Straher
WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS
One Liberty Place - 46th Floor
Philadelphia, PA 19103
Telephone No. 215-568-3100.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1	Full Name:	Inventor's Signature:	Date:
	Peter NIELSEN		24/11-85
	Residence: Hjortevanget 509 DK 2980 Kokkedal, Denmark	Citizenship: Denmark	
Post Office Address: Same as above.			
2	Full Name:	Inventor's Signature:	Date
	Ole BUCHARDT (deceased)	Mrs. Dorte BUCHARDT Signing upon information and belief as the Representative of the Estate of Ole BUCHARDT	
	Residence: Sondergardsvej 73 DK 3500 Vaerloose, Denmark	Citizenship: Denmark	
Post Office Address: Same as above.			
3	Full Name:	Inventor's Signature:	Date
	Soren Holst SONNICHSEN	Soren HA Jonn R	17/12-95
	Residence: Gronhojgardsvej 13 DK 2630 Tastrup, Denmark	Citizenship: Denmark	
Post Office Address: Same as above.			
4	Full Name:	Inventor's Signature:	Date
	Jesper LOHSE	Jesper Lohse	15/12/1995
	Residence: Staerevej 52, 2.tv DK 2400 Copenhagen N Denmark	Citizenship: Denmark	
Post Office Address: Same as above.			
5	Full Name:	Inventor's Signature:	Date
	Michael EGHOLM		
	Residence: 1231 Lexington Ridge Drive Lexington, Massachusetts 02173	Citizenship: Denmark	
Post Office Address: Same as above.			

7-00 6	Full Name Muthiah MANOHARAN	Inventor's Signature	Date
	Residence: 7634 Reposado Drive Citizenship Carlsbad, California 92009 United States		
	Post Office Address: Same as above.		
8-00 7	Full Name John KIELY	Inventor's Signature	Date
	Residence: 4230 Corte Facil Citizenship San Diego, California 92130 United States		
	Post Office Address: Same as above.		
9-00 8	Full Name Michael GRIFFITH	Inventor's Signature	Date
	Residence: 3686 Carmel Landing Citizenship San Diego, California 92130 United States		
	Post Office Address: Same as above.		
10-00 9	Full Name Kelly SPRANKLE	Inventor's Signature	Date
	Residence: 920 Sycamore Avenue, Apt. 61 Citizenship Vista, California 92083 United States		
	Post Office Address: Same as above.		
10	Full Name	Inventor's Signature	Date
	Residence Citizenship		
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(XX) was filed on October 6, 1995 as International (PCT) Application Serial No. PCT/US95/12931.

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I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: **John W. Caldwell** and **Michael P. Straher**, Registration Nos. **28,937** and **38,325** of the firm of **WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS**, One Liberty Place - 46th Floor, Philadelphia, Pennsylvania 19103, and **Herb Boswell** and **Laurel Bernstein**, Registration Nos. **27,311** and **37,280**, of **ISIS Pharmaceuticals, Inc.**, 2280 Faraday Avenue, Carlsbad, California 92008.

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100	1	Full Name: Peter NIELSEN	Inventor's Signature:	Date:
		Residence: Hjortevanget 509 DK 2980 Kokkedal, Denmark	Citizenship: Denmark	
	Post Office Address: Same as above.			
201	2	Full Name: Ole BUCHARDT (deceased) 311	Inventor's Signature: D. Bucharde Mrs. Dorte BUCHARDT Signing upon information and belief as the Representative of the Estate of Ole BUCHARDT	Date 18/11/95
		Residence: Sondergardsvej 73 DK 3500 Vaerloose, Denmark	Citizenship: Denmark	
	Post Office Address: Same as above.			
400	3	Full Name: Soren Holst SONNICHSEN	Inventor's Signature:	Date
		Residence: Gronhojgardsvej 13 DK 2630 Tastrup, Denmark	Citizenship: Denmark	
	Post Office Address: Same as above.			
50	4	Full Name: Jesper LOHSE	Inventor's Signature:	Date
		Residence: Staerevej 52, 2.tv DK 2400 Copenhagen N Denmark	Citizenship: Denmark	
	Post Office Address: Same as above.			
60	5	Full Name: Michael EGHOLM	Inventor's Signature:	Date
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		Residence: Staerevej 52, 2.tv DK 2400 Copenhagen N Denmark	Citizenship: Denmark	
	Post Office Address: Same as above.			
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		Residence: 1231 Lexington Ridge Drive Lexington, MA Massachusetts 02173	Citizenship: Denmark	Nov 9, 1972
	Post Office Address: Same as above.			

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	Peter NIELSEN		
	Residence: Hjortevanget 509 DK 2980 Kokkedal, Denmark	Citizenship: Denmark	
Post Office Address: Same as above.			
2	Full Name:	Inventor's Signature:	Date
	Ole BUCHARDT (deceased)	Mrs. Dorte BUCHARDT Signing upon information and belief as the Representative of the Estate of Ole BUCHARDT	
	Residence: Sondergardsvej 73 DK 3500 Vaerloose, Denmark	Citizenship: Denmark	
Post Office Address: Same as above.			
3	Full Name:	Inventor's Signature:	Date
	Soren Holst SONNICHSEN		
	Residence: Gronhojgardsvej 13 DK 2630 Tastrup, Denmark	Citizenship: Denmark	
Post Office Address: Same as above.			
4	Full Name:	Inventor's Signature:	Date
	Jesper LOHSE		
	Residence: Staerevej 52, 2.tv DK 2400 Copenhagen N Denmark	Citizenship: Denmark	
Post Office Address: Same as above.			
5	Full Name:	Inventor's Signature:	Date
	Michael EGHOLM		
	Residence: 1231 Lexington Ridge Drive Lexington, Massachusetts 02173	Citizenship: Denmark	
Post Office Address: Same as above.			

7.00 6	Full Name <u>Muthiah MANOHARAN</u>	Inventor's Signature <i>Muthiah Manohan</i>	Date 11/17/95
	Residence: 7634 Reposado Drive Citizenship Carlsbad, California 92009 United States		
	Post Office Address: Same as above. <i>CA</i>		
8.00 7	Full Name <u>John KIELY</u>	Inventor's Signature <i>John Kiely</i>	Date Nov. 14, 1995
	Residence: 4230 Corte Facil Citizenship San Diego, California 92130 United States		
	Post Office Address: Same as above. <i>CA</i>		
9.00 8	Full Name <u>Michael GRIFFITH</u>	Inventor's Signature <i>Michael Griffith</i>	Date 11/14/95
	Residence: 3686 Carmel Landing Citizenship San Diego, California 92130 United States		
	Post Office Address: Same as above. <i>CA</i>		
10.00 9	Full Name <u>Kelly SPRANKLE</u>	Inventor's Signature <i>Kelly Sprankle</i>	Date 11/17/95
	Residence: 920 Sycamore Avenue, Apt. 61 Citizenship Vista, California 92083 <i>CA</i> United States		
	Post Office Address: Same as above.		
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	Post Office Address		

DOCKET NO.: ISIS-2112

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

NIELSEN, Peter et al.

International Serial No.: PCT/US95/12931

Filed: October 6, 1995

For: PEPTIDE NUCLEIC ACID CONJUGATES

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

ASSOCIATE POWER OF ATTORNEY

The undersigned, Michael P. Straher, Registration No. 38,325, of the firm WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP, One Liberty Place - 46th Floor, Philadelphia, Pennsylvania 19103, Attorney and/or Agent for Applicant(s), hereby appoints the following:

Robert B. Washburn	Registration No. 16,574
Richard E. Kurtz	Registration No. 19,263
John J. Mackiewicz	Registration No. 19,709
Norman L. Norris	Registration No. 24,196
Albert W. Preston, Jr.	Registration No. 25,366
Dale M. Heist	Registration No. 28,425
Philip S. Johnson	Registration No. 27,200
John W. Caldwell	Registration No. 28,937
Gary H. Levin	Registration No. 28,734
Steven J. Rocci	Registration No. 30,489
Dianne B. Elderkin	Registration No. 28,598
Francis A. Paintin	Registration No. 19,386
John P. Donohue, Jr.	Registration No. 29,916
Henrik D. Parker	Registration No. 31,863
Suzanne E. Miller	Registration No. 32,279
Lynn B. Morreale	Registration No. 32,842
Joseph Lucci	Registration No. 33,307
Michael P. Dunnam	Registration No. 32,611
Michael D. Stein	Registration No. 34,734
Albert J. Marcellino	Registration No. 34,664
David R. Bailey	Registration No. 35,057
John L. Knoble	Registration No. 32,387


Michele K. Herman	Registration No. 35,893
Barbara L. Mullin	Registration No. 38,250
Ken I. Yoshida	Registration No. 37,009
Mark DeLuca	Registration No. 33,229
Steven B. Samuels	Registration No. 37,711
Lynn A. Malinoski	Registration No. 38,788
Lori Y. Beardell	Registration No. 34,293
Doreen Yatko Trujillo	Registration No. 35,719
Paul K. Legaard	Registration No. 38,534
Kevin M. Flannery	Registration No. 35,871
David A. Cherry	Registration No. 35,099
Anthony J. Rossi	Registration No. 24,053
D. Jennings Meincke	Registration No. 36,606
Michael L. Korniczky	Registration No. 37,661
Michael J. Swope	Registration No. 38,041
Edward D. Grieff	Registration No. 38,898
Gail Ann Dalickas	Registration No. P40,979

and

Herb Boswell	Registration No. 27,311
Laurel Bernstein	Registration No. 37,280
Andrew E. Granston	Registration No. 38,473

of **ISIS PHARMACEUTICALS, INC.**, 2280 Faraday Avenue, Carlsbad, California 92008; his associates, with full power to prosecute the above-identified application and to transact all business in the Patent Office connected therewith and requests that correspondence continue to be directed to the firm of WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP at the above address.

Date: April 4, 1997


Michael P. Straher
 Attorney and/or Agent of Record
 Registration No. 38,325

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 MACKIEWICZ & NORRIS LLP
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